TRACES Update

10 December 2003

TRACES

Tri-Service Automated Cost Engineering System

MCACES (M_{II}) Area Cost Factors	Unit Price Book PACES PC Cost Support	Historical Analysis Generator & H_{II} Cost Risk

Hardware Configuration

TRACES

Tri-Service Automated Cost Engineering System

- Required
  - 900 MHZ Processor
  - 256 MB RAM
  - 10 GB Hard Drive
  - CDRW
  - 17” Monitor (1024X768)
- Recommended
  - 1.5 GHZ or Higher Processor
  - 512 MB or Higher RAM
  - 40 GB Hard Drive
  - DVD ROM w/ CDRW Combo
  - 21” Monitor (1600X1200)

TRACES Update

Status of Modules

- Web Page

Web Page Update

- Web Page Issue
  - Web Page was down for over a month and FTP site was down for well over 2 months
    - Though TRACES Web Page was not source of trouble, CEHNC IM office had to shut down Web Server
    - FTP site is now running, but links have to be rebuilt.
    - TRACES is in process of setting up all applications and databases on the web page.
      - Will reduce problems with FTP.
      - Will reduce issues concerning ID and Passwords, IDs and Passwords will be controlled by TRACES Team if approved by CEHNC IM

Web Page Reminder

- Current Features:
  - HAG Database Upload Assistance
  - Frequently Asked Questions (FAQ) Pages
  - TRACES Calendar of Events
  - Engineering Change Proposals (ECP)
  - Downloads of Most TRACES software and databases (Not RACER and PACES)
  - Useful Cost Engineering Links and other Resources (including E-mail Links to ARA)

TRACES Update

Status of Modules

- Web Page
- MCACES/MII

MCACES Gold 5.31 And MFW

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Tri-Service Automated Cost Engineering System

- We will continue to support the software until the new MII software has been out for some time.
- The 2001 UPB will be the last UPB to be compatible with MCACES Gold 5.31 or MFW.
- 2001 Equipment Database was not compatible with MCACES Gold or MFW but will be for MII.

MII Releases

- MII Ver 1.0 was released 1 June 2003
  - Training is being performed
- MII Ver 1.1 was released in October
  - Fixes 4 minor bugs found in software
  - Copies are available

- **Training on MII – First Type**
  - On-line PLACEWARE Demonstrations
    - 2-hour sessions to start getting MII into the field
    - Scheduling Information for demos will be via e-mail
    - Participation will be first come first serve signups
    - 12-15 people per session
    - Good option for people wanting to be first to use MII
    - Not meant to be a replacement for the highly recommended full training class

- **Training on MII – Second Type, Full Week**
  - Will perform regional training sessions. Division/District will be responsible for cost for PT&C task order cost plus travel/per diem (no labor) for ARA employee (ARA employee will instruct on changes in cost engineering thought processes and be backup for lead instructor)
  - Will perform PROSPECT Training during second quarter of FY04.

- **Next Release (March 2004)**
  - Develop Gold/MFW import with UPB translator
  - Development support for smart assemblies / parameter worksheets
  - Interface with Excel
  - Interface with PC Cost

- **Future Work (Depending on Funding Available and not necessarily in order of importance)**
  - Development of Security/Admin Module
  - Development of Database Maintenance Module
  - Development of Scheduling Module
  - Interactive Tutorial

TRACES Update

Status of Modules

- Web Page
- MCACES/MII
- ACF32

ACF32

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Tri-Service Automated Cost Engineering System

- Latest version is ACF32 Ver 1.1
- New Features
  - Revised to allow multiple choices for some market basket items (MBG), based upon common practices within locality
  - Official database: FY06-07 ACF Database.acf
- NOTE: Latest ACF32 database is not compatible with ACF Ver 1.0.
  Must use ACF32 version 1.1 program
- Imported latest Seismic Design

ACF32 FY03 Actions

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Tri-Service Automated Cost Engineering System

- Updating the ACF database for United States Locations
  - RS Means is the contractor performing the survey
  - Updating the Labor, Material and Equipment Pricing
  - Performing study on labor availability for each location
- Working on getting foreign countries updated
  - POD, TAC, and NAU are assisting with updating data for the foreign countries update

TRACES Update

Status of Modules

- Web Page
- MCACES/MII
- ACF32
- HAG

Current Status Of HAG

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Tri-Service Automated Cost Engineering System

- **POC is at HQ USACE.**
- **New HNC POC**
- **Most recent version is HAG 2.2 (This is a patch to HAG 2.1 which must be installed first)**
- **Official Database is HAG2003B.hgh**
- **Latest version of database has been sent to contractor for conversion to the Web-based format.**
- **TRACES suggests witholding any further uploads to the HAG upload site due to current master database conversion.**
- **Instead, suggest waiting until H_{II} is operational and have users upload information online.**

HAG Web Base Development

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Tri-Service Automated Cost Engineering System

- **HAG Web Base (H_{II})Development Actions**
  - Nearing Completion
  - Beta Testing to start later this month
  - Anticipate release in February 2004
  - Will provide up to date releases of the database
  - Database will be on line (Web-Based)

TRACES Update

Status of Modules

- Web Page
- MCACES/MII
- ACF32
- HAG
- Cost Risk

COST-RISK

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Tri-Service Automated Cost Engineering System

- Version 1.3 is latest
- Requires Crystal Ball 2000 software
- Training course is available by request, trying to obtain funds for at least one class this FY.
- Note there is known incompatibility with RACER 2003 & PACES 2003 (and later), but is being resolved.

COST-RISK

- **Future Enhancements**
  - 5 minor enhancements proposed by the HTRW CX based upon comments from latest training.
  - Proposing development of computer based training (CBT).
    - **CBT** will be used as refresher only. Workshop training is preferred method.
    - Currently funding is not available for this action

TRACES Update

Status of Modules

- Web Page
- MCACES/MII
- ACF32
- HAG
- Cost Risk
- Costbook (UPB)

Costbook

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Tri-Service Automated Cost Engineering System

- 2004 Costbook task order
  - Reformatting Costbook to MasterFormat 95 – New Titling Structure
  - Repricing Half the Database and Indexing the Second Half
  - Adding Navy, PACES, & Army Tasks to Costbook. Deleted some tasks too.
  - Better Descriptions, less abbreviations

Costbook

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Tri-Service Automated Cost Engineering System

- **New 2004 Costbook**
  - **Distribution March 2004**
  - **It will NOT be compatible with MCACES Gold 5.31/MFW**
    - The UPB Tasks will have MasterFormat 95 12 digit source tags and MCACES Gold 5.31/MFW can only handle 9 digits.
    - Will have to continue to use 2001 UPB if working with MCACES Gold or MFW until you switch to MII
  - **The 2004 Costbook will be in MII & SUCCESS**
    - Inclusion in PACES and RACER expected this year.
    - In MII you can still use the 2001 Costbook to access deleted line items or vendor information no longer in 2004 Costbook.

Costbook

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Tri-Service Automated Cost Engineering System

- New 2004 Costbook – Current Status
  - Just finished Pre-Final Review
    - Using Dr. Checks system for reviews
  - Pre-Final Review Meeting Next Week
    - On-Line Conference Call Meetings
    - Placeware – Microsoft Live Meeting
  - Finding more efficient ways to do UPB, but still looking for ways to be more innovative

TRACES Update

Status of Modules

- Web Page
- MCACES/MII
- ACF32
- HAG
- Cost Risk
- Costbook (UPB)
- PACES

PACES Release Status

TRACES

Tri-Service Automated Cost Engineering System

- PACES 2003 is now available.
  - Registration Forms have been sent via e-mail to those who had an older version of PACES
  - If you need the new version, Send in registration form
  - If you haven't received registration and think you should have, let Karen Schofield, HNC, know
- Talisman/Earth Tech provides Hotline Support
  - Call 303-771-3103

PACES Licenses

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Tri-Service Automated Cost Engineering System

- Currently have 167 licenses - 125 for Corps of Engineers and 42 for Navy (Air Force handles their own licensing)
- Generally, each computer PACES is installed on is considered one license & needs a key from Talisman, second as a laptop ok if necessary only on temporary basis.
- More and more people want PACES.
- A/Es need to pay a license fee to Talisman before using the software (approx $700)

PACES 2003 Enhancements

TRACES

Tri-Service Automated Cost Engineering System

- HVAC and Electrical Enhancements
- Updates to the reports
- Sustainable Design Piece - Windows
- Added 1+1 Barracks- Type IV Construction Model
- Updated Sitework Models

PACES 2004 Enhancements

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Tri-Service Automated Cost Engineering System

- Navy Enhancements
- Progressive Collapse
- Modular Design System - MDS (USAR)
- Utilidor Model
- Likely a link to MII

TRACES Update

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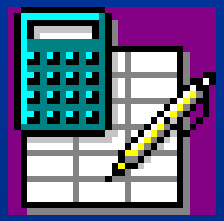
- Costbook (UPB)
- PACES
- PC Cost



PC-Cost Budgetary Estimating Module

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Tri-Service Automated Cost Engineering System

ENHANCEMENTS INCLUDE:

- PC-Cost v 5.1.2 is now available for downloading from either the PAX/DD1391 Processor System or from within the PC-Cost Program (Tools Menu/Update PC-Cost Software option).
- This version contains the latest table updates and has been modified to support incrementally funded projects.
- Also, a PC-Cost Workshop is to be held in Huntsville, AL, 18-19 Feb 04.
- To register for this free Workshop, please email: paxspt-huntsville@hnd01.usace.army.mil